

D

0
0
0
3
5
6
5
4
4
7



UC SOUTHERN REGIONAL LIBRARY FACILITY

INTERNATIONAL

Congress Of Arts and Science

AS

3

C7

1904

International
Congress of Arts and Science

Universal Exposition, St. Louis

September 19-25, 1904

[Programme and List of Speakers]

June 1, 1904

606

CONTENTS

	PAGE
Purpose and Plan of the Congress.....	5
Organization of the Congress.....	7
Speakers and Chairmen.....	9
Chronological Order of Proceedings.....	31

INDEX SUBJECTS

Division A—Normative Science.

Department 1—Philosophy.	PAGE
Section a.—Metaphysics	9
“ b.—Philosophy of Religion.....	9
“ c.—Logic	9
“ d.—Methodology	9
“ e.—Ethics.....	9
“ f.—Aesthetics	10
Department 2—Mathematics.	
Section a.—Algebra and Analysis	10
“ b.—Geometry.....	10
“ c.—Applied Mathematics	10

Division B—Historical Science.

Department 3—Political and Economic History.	
Section a.—History of Asia.....	11
“ b.—History of Greece and Rome ...	11
“ c.—Medieval History	11
“ d.—Modern History of Europe.....	11
“ e.—History of America	11
“ f.—History of Economic Institutions	11
Department 4—History of Law.	
Section a.—History of Roman Law	12
“ b.—History of Common Law.....	12
“ c.—Comparative Law.....	12

Department 4—History of Law.

Section a.—History of Roman Law	12
“ b.—History of Common Law.....	12
“ c.—Comparative Law.....	12

Department 5—History of Languages.

Section a.—Comparative Language.....	12
“ b.—Semitic Language.....	12
“ c.—Indo-Iranian Languages.....	12
“ d.—Greek	12
“ e.—Latin.....	13
“ f.—English	13
“ g.—Romance Languages.....	13
“ h.—Germanic Languages.....	13

Department 6—History of Literature.

Section a.—Indo-Iranian Literature	13
“ b.—Classical Literature	13
“ c.—English Literature.....	14

Department 6—History of Literature—Cont'd.

	PAGE
Section d.—Romance Literature	14
“ e.—Germanic Literature	14
“ f.—Slavic Literature	14
“ g.—Belles Lettres	14

Department 7—History of Art.

Section a.—Classical Art.....	14
“ b.—Modern Architecture	15
“ c.—Modern Painting	15

Department 8—History of Religion.

Section a.—Brahminism and Buddhism.....	15
“ b.—Mohammedism	15
“ c.—Old Testament.....	15
“ d.—New Testament.....	15
“ e.—History of the Christian Church	15

Division C—Physical Science.

Department 9—Physics.

Section a.—Physics of Matter.....	16
“ b.—Physics of Ether.....	16
“ c.—Physics of the Electron.....	16

Department 10—Chemistry.

Section a.—Inorganic Chemistry.....	16
“ b.—Organic Chemistry.....	16
“ c.—Physical Chemistry	17
“ d.—Physiological Chemistry	17

Department 11—Astronomy.

Section a.—Astrometry	17
“ b.—Astrophysics.....	17

Department 12—Sciences of the Earth.

Section a.—Geo-Physics	17
“ b.—Geology	18
“ c.—Paleontology	18
“ d.—Petrology and Mineralogy.....	18
“ e.—Physiography.....	18

Department 12—Sciences of the Earth—Cont'd.	PAGE
Section f.—Geography.....	18
“ g.—Oceanography.....	18
“ h.—Meteorology.....	18

Department 13—Biology.

Section a.—Phylogeny.....	19
“ b.—Plant Morphology.....	19
“ c.—Plant Physiology.....	19
“ d.—Plant Pathology.....	19
“ e.—Ecology.....	19
“ f.—Bacteriology.....	19
“ g.—Animal Morphology.....	19
“ h.—Embryology.....	19
“ i.—Comparative Anatomy.....	20
“ j.—Human Anatomy.....	20
“ k.—Physiology.....	20

Department 14—Anthropology.

Section a.—Somatology.....	20
“ b.—Archaeology.....	20
“ c.—Ethnology.....	20

Division D—Mental Science.

Department 15—Psychology.

Section a.—General Psychology.....	21
“ b.—Experimental Psychology.....	21
“ c.—Comparative and Genetic Psychology.....	21
“ d.—Abnormal Psychology.....	21

Department 16—Sociology.

Section a.—Demography.....	21
“ b.—Social Structure.....	22
“ c.—Social Psychology.....	22

Division E—Utilitarian Sciences.

Department 17—Medicine.

Section a.—Public Health.....	22
“ b.—Preventive Medicine.....	22
“ c.—Pathology.....	22
“ d.—Therapeutics and Pharmacology.....	23
“ e.—Internal Medicine.....	23
“ f.—Neurology.....	23
“ g.—Psychiatry.....	23
“ h.—Surgery.....	23
“ i.—Gynecology.....	23
“ j.—Ophthalmology.....	23
“ k.—Otology and Laryngology.....	23
“ l.—Pediatrics.....	24

Department 18—Technology.

Section a.—Civil Engineering.....	24
“ b.—Mechanical Engineering.....	24
“ c.—Electrical Engineering.....	24
“ d.—Mining Engineering.....	24
“ e.—Technical Chemistry.....	24
“ f.—Agriculture.....	24

Department 19—Economics.

Section a.—Economic Theory.....	25
“ b.—Industrial Organizations and Manufactures.....	25
“ c.—Transportation.....	25
“ d.—Commerce and Exchange.....	25
“ e.—Money and Credit.....	25
“ f.—Public Finance.....	25
“ g.—Insurance.....	25

Division F—Social Regulation.

Department 20—Politics.

Section a.—Political Theory.....	26
“ b.—Diplomacy.....	26
“ c.—National Administration.....	26
“ d.—Colonial Administration.....	26
“ e.—Municipal Administration.....	26

Department 21—Jurisprudence.

Section a.—International Law.....	27
“ b.—Constitutional Law.....	27
“ c.—Criminal Law.....	27
“ d.—Private Law.....	27

Department 22—Social Science.

Section a.—The Family.....	27
“ b.—The Rural Community.....	27
“ c.—The Urban Community.....	28
“ d.—The Industrial Group.....	28
“ e.—The Dependent Group.....	28
“ f.—The Criminal Group.....	28

Division G—Social Culture.

Department 23—Education.

Section a.—Educational Theory.....	29
“ b.—The School.....	29
“ c.—The College.....	29
“ d.—The University.....	29
“ e.—The Library.....	29

Department 24—Religion.

Section a.—General Religious Education.....	29
“ b.—Professional Religious Education.....	30
“ c.—Religious Agencies.....	30
“ d.—Religious Work.....	30
“ e.—Religious Influence, Personal.....	30
“ f.—Religious Influence, Social.....	30

Purpose and Plan of the Congress

The idea of the Congress grows out of the thought that the subdivision and multiplication of specialties in science has reached a stage at which investigators and scholars may derive both inspiration and profit from a general survey of the various fields of learning, planned with a view of bringing the scattered sciences into closer mutual relations. The central purpose is the unification of knowledge, an effort toward which seems appropriate on an occasion when the nations bring together an exhibit of their arts and industries. An assemblage is therefore to be convened at which leading representatives of theoretical and applied sciences shall set forth those general principles and fundamental conceptions which connect groups of sciences, review the historical development of special sciences, show their mutual relations and discuss their present problems.

The speakers to treat the various themes are selected in advance from the European and American continents. The discussions will be arranged on the following general plan :

After the opening of the Congress on Monday afternoon, September 19, will follow, on Tuesday forenoon, addresses on main divisions of science and its applications, the general theme being the unification of each of the fields treated. These will be followed by two addresses on each of the twenty-four great departments of knowledge. The theme of one address in each case will be the Fundamental Conceptions and Methods, while the other will set forth the progress during the last century. The preceding addresses will be delivered by Americans, making the work of the first two days the contribution of American scholars.

On the third day, with the opening of the sections, the international work will begin. About 128 sectional meetings will be held on the four remaining days of the Congress, at each of which two papers will be read, the theme of one being suggested by the Relations of the special branch treated to other branches; the other by its Present Problems. Three hours will be devoted to each sectional meeting, thus enabling each hearer to attend eight such meetings, if he so desires. The programme is so arranged that related subjects will be treated, as far as possible, at different times. The length of the principal addresses being limited to forty-five minutes each, there will remain at least one hour for five or six brief communications in each section. The addresses in each department will be collected and published in a special volume.

It is hoped that the living influence of this meeting will be yet more important than the formal addresses, and that the scholars whose names are announced in the following programme of speakers and chairmen will form only a nucleus for the gathering of thousands who feel in sympathy with the efforts to bring unity into the world of knowledge.

Organization of the Congress

Director of Congresses,
HOWARD J. ROGERS.
Universal Exposition, 1904.

ADMINISTRATIVE BOARD.

NICHOLAS MURRAY BUTLER,
President of Columbia University, Chairman.

WILLIAM R. HARPER,
President of the University of Chicago.

R. H. JESSE,
President of the University of Missouri.

HENRY S. PRITCHETT,
President of the Massachusetts Institute of Technology.

HERBERT PUTNAM,
Librarian of Congress.

FREDERICK J. V. SKIFF,
Director of the Field Columbian Museum.

OFFICERS OF THE CONGRESS

President:

SIMON NEWCOMB,
Retired Professor U. S. N.

Vice-Presidents:

HUGO MUENSTERBERG,
Professor of Psychology in Harvard University.

ALBION W. SMALL,
Professor of Sociology in The University of Chicago.

Speakers and Chairmen

DIVISION A—NORMATIVE SCIENCE

Speaker: Professor JOSIAH ROYCE, Harvard University.

DEPARTMENT 1—Philosophy.

Chairman: Professor BORDEN P. BOWNE, . . . Boston University.

Speakers: Professor GEORGE T. LADD, . . . Yale University.
Professor GEORGE H. HOWISON, . . . University of California.

Section a. Metaphysics.

Chairman: Professor A. C. ARMSTRONG, . . . Wesleyan University.

Speakers: Professor A. E. TAYLOR, . . . McGill University, Montreal.
Professor ALEXANDER T. ORMOND, . . . Princeton University.

Section b. Philosophy of Religion.

Chairman: Professor THOMAS C. HALL, . . . Union Theological Seminary, N. Y.

Speakers: Professor OTTO PFLEIDERER, . . . University of Berlin.
Professor ERNST TROELTSCH, . . . University of Heidelberg.

Section c. Logic.

Chairman: Professor GEORGE M. DUNCAN, . . . Yale University.

Speakers: Professor WILHELM WINDELBAND, . . . University of Heidelberg.
Professor FREDERICK J. E. WOODBRIDGE, . . . Columbia University.

Section d. Methodology of Science.

Chairman: Professor JAMES E. CREIGHTON, . . . Cornell University.

Speakers: Professor WILHELM OSTWALD, . . . University of Leipzig.
Professor BENNO ERDMANN, . . . University of Bonn.

Section e. Ethics.

Chairman: Professor GEORGE H. PALMER, . . . Harvard University.

Speakers: Professor WILLIAM R. SORLEY, . . . University of Cambridge.
Professor PAUL HENSEL, . . . University of Erlangen.

DEPARTMENT 1—Philosophy—Continued.

Section f. Aesthetics.

Chairman: Professor JAMES H. TUFTS, University of Chicago.

Speakers: Mr. HENRY R. MARSHALL, New York City.
Professor MAX DESSOIR, University of Berlin.

DEPARTMENT 2—Mathematics.

Chairman: Professor HENRY S. WHITE, Northwestern University.

Speakers: Professor MAXIME BÔCHER, Harvard University.
Professor JAMES P. PIERPONT, Yale University.

Section a. Algebra and Analysis.

Chairman: Professor E. H. MOORE, University of Chicago.

Speakers: Professor EMILE PICARD, The Sorbonne; Member of the
Institute of France.
Professor HEINRICH MASCHKE, University of Chicago.

Section b. Geometry.

Chairman: Professor WILLIAM E. STORY, Clark University.

Speakers: Mr. GASTON DARBOUX, Perpetual Secretary of the
Academy of Sciences, Paris.
Dr. EDWARD KASNER, Columbia University.

Section c. Applied Mathematics.

Chairman: Professor ARTHUR G. WEBSTER, Clark University, Worcester, Mass.

Speakers: Professor LUDWIG BOLTZMANN, University of Vienna.
Professor HENRI POINCARÉ, The Sorbonne; Member of the
Institute of France.

DIVISION B.—HISTORICAL SCIENCE.

Speaker: President WOODROW WILSON, Princeton University.

DEPARTMENT 3—Political and Economic History.

Chairman: Honorable ANDREW D. WHITE, Formerly Ambassador to Germany.

Speakers: Professor WILLIAM M. SLOANE, Columbia University.
Professor JAMES H. ROBINSON, Columbia University.

DEPARTMENT 3—Political and Economic History—Continued.

Section a. History of Asia.

- Chairman:* Honorable WILLIAM W. ROCKHILL, . . . Director of the
Bureau of American Republics.
- Speakers:* Professor HENRI CORDIER, . . . École des Langues
Vivantes Orientales, Paris.
- Professor ARMINIUS VAMBÉRY, . . . University of Budapest.

Section b. History of Greece and Rome.

- Chairman:* Professor THOMAS D. SEYMOUR, . . . Yale University.
- Speakers:* Professor JOHN P. MAHAFFY . . . University of Dublin.
- Professor ETTORE PAIS, . . . University of Naples. Director of
the National Museum of Antiqui-
ties, Naples.

Section c. Mediaeval History.

- Chairman:* Professor CHARLES H. HASKINS, . . . Harvard University.
- Speakers:* Professor KARL LAMPRECHT, . . . University of Leipzig.
- Professor GEORGE B. ADAMS, . . . Yale University.

Section d. Modern History of Europe.

- Chairman:* Honorable JAMES B. PERKINS, . . . Rochester, N. Y.
- Speakers:* Monsieur A. N. RAMBAUD, . . . Former Minister of Public Instruc-
tion; Member of the Institute of
France.
- Professor J. B. BURY, . . . University of Cambridge.

Section e. History of America.

- Chairman:* Mr. JAMES SCHOULER, . . . Boston.
- Speakers:* Professor FREDERIC J. TURNER, . . . University of Wisconsin.
- Professor ALBERT BUSHNELL HART, . . . Harvard University.

Section f. History of Economic Institutions.

- Chairman:* Professor WILLIAM W. FARNUM, . . . Treasurer of Yale University.
- Speakers:* Professor J. E. CONRAD, . . . University of Halle.
- Professor SIMON N. PATTEN, . . . University of Pennsylvania.

DEPARTMENT 4—History of Law.

- Chairman:* Honorable DAVID J. BREWER, . . . Associate Justice of the Supreme
Court of the United States.
- Speakers:* Honorable EMLIN MCCLAIN, . . . Judge of the Supreme Court
of Iowa; Iowa City.
- Professor NATHAN ABBOTT, . . . Leland Stanford, Jr., University.

DEPARTMENT 4—History of Law—Continued.

Section a. History of Roman Law.

- Chairman:* Honorable WILLIAM W. HOWE, . . . U. S. Attorney, New Orleans, La.
Speakers: Professor ERNST ZITELMANN, . . . University of Bonn.
Professor MUNROE SMITH, . . . Columbia University.

Section b. History of Common Law.

- Chairman:* Professor JOHN D. LAWSON, . . . University of Missouri.
Speakers: Honorable SIMEON E. BALDWIN, . . . Judge of the Supreme Court of
Errors, New Haven, Conn.
Professor JOHN H. WIGMORE, . . . Northwestern University.

Section c. Comparative Law.

- Chairman:* Honorable JACOB M. DICKINSON, . . . Chicago.
Speakers: Professor NOBUSHIGE HOZUMI, . . . University of Tokio.
Professor JOSEPH KOHLER, . . . University of Berlin.

DEPARTMENT 5—History of Language.

- Chairman:* Professor GEORGE HEMPL, . . . University of Michigan.
Speakers: President BENJAMIN IDE WHEELER, . . . University of California.
Professor T. R. LOUNSBURY, . . . Yale University.

Section a. Comparative Language.

- Chairman:* Professor FRANCIS A. MARCH, . . . Lafayette College.
Speakers: Professor FRIEDRICH K. BRUGMANN, . . . University of Leipzig.
Professor HANNS OERTEL, . . . Yale University.

Section b. Semitic Languages.

- Chairman:* Professor PAUL HAUPT, . . . Johns Hopkins University.
Speakers: Professor FRIEDRICH DELITZSCH, . . . University of Berlin.
Professor CRAWFORD H. TOY, . . . Harvard University.

Section c. Indo-Iranian Languages.

- Chairman:* Professor CARL D. BUCK, . . . University of Chicago.
Speakers: Professor SYLVAIN LÉVI, . . . Collège de France, Paris.
Professor ARTHUR A. MACDONELL, . . . University of Oxford.

Section d. Greek.

- Chairman:* Professor MARTIN L. D'OOGHE, . . . University of Michigan.
Speakers: Professor HERBERT W. SMYTH, . . . Harvard University.
Professor MILTON W. HUMPHREY, . . . University of Virginia.

DEPARTMENT 5—History of Language—Continued.

Section e. Latin.

- Chairman:* Professor MAURICE HUTTON, . . . University of Toronto.
Speakers: Professor E. A. SONNENSCHIEIN, . . . University of Birmingham.
Professor WILLIAM G. HALE, . . . University of Chicago.

Section f. English.

- Chairman:* Professor CHARLES M. GAYLEY, . . . University of California.
Speakers: Professor OTTO JESPERSEN, . . . University of Copenhagen.
Professor GEORGE L. KITTREDGE, . . . Harvard University.

Section g. Romance Languages.

- Chairman:*
Speakers: Professor PAUL MEYER, . . . Collège de France, Paris.
Professor HENRY A. TODD, . . . Columbia University.

Section h. Germanic Languages.

- Chairman:* Professor GUSTAF E. KARSTEN, . . . Cornell University.
Speakers: Professor EDUARD SIEVERS, . . . University of Leipzig.
Professor HERMAN COLLITZ, . . . Bryn Mawr College.

DEPARTMENT 6—History of Literature.

- Chairman:* HAMILTON WRIGHT MABIE, . . . Associate Editor of *The Outlook*.
Speakers: Professor BASIL L. GILDERSLEEVE, . . . Johns Hopkins University.
Honorable GEORGE M. HARRISON, . . . Associate Justice of the Supreme
Court of Appeals of Virginia.

Section a. Indo-Iranian Literature.

- Chairman:*
Speakers: Professor A. V. W. JACKSON, . . . Columbia University.
Professor CHARLES R. LANMAN, . . . Harvard University.

Section b. Classical Literature.

- Chairman:*
Speakers: Professor PAUL SHOREY, . . . University of Chicago.
Professor JOHN H. WRIGHT, . . . Harvard University.

DEPARTMENT 6—History of Literature—Continued.

Section c. English Literature.

Chairman: Professor BARRETT WENDELL, . . . Harvard University.

Speakers: Professor FRANCIS B. GUMMERE, . . . Haverford College.

.

Section d. Romance Literature.

Chairman: Professor ADOLPHE COHN, . . . Columbia University.

Speakers: Professor PIO RAJNA, . . . Institute of Higher Studies,
Florence, Italy.
Professor ALCÉE FORTIER, . . . Tulane University, New Orleans.

Section e. Germanic Literature.

Chairman: Professor KUNO FRANCKE, . . . Harvard University.

Speakers: Professor AUGUST SAUER, . . . University of Prague.
Professor J. MINOR, . . . University of Vienna.

Section f. Slavic Literature.

Chairman: Mr. CHARLES R. CRANE, . . . Chicago.

Speakers: Professor W. R. MORFILL, . . . University of Oxford.
Professor PAUL BOYER, . . . École des Langues
Vivantes Orientales, Paris.

Section g. Belles Lettres.

Chairman: Mr. BLISS PERRY, . . . Editor of the *Atlantic Monthly*.

Speakers: Monsieur F. BRUNETIÈRE, . . . Member of the Institute of France;
Director of the *Revue des Deux*
Mondes, Paris.
Professor BRANDER MATTHEWS, . . . Columbia University.

DEPARTMENT 7—History of Art.

Chairman: Professor HALSEY C. IVES, . . . Washington University, St. Louis.

Speakers: Professor JOHN C. VAN DYKE, . . . Rutgers College.
Professor EDWARD ROBINSON, . . . Director of the Museum of
Fine Arts, Boston.

Section a. Classical Art.

Chairman: Professor RUFUS B. RICHARDSON, . . . New York City.

Speakers: Professor ADOLPH FURTWÄNGLER, . . . University of Munich.
Professor FRANK B. TARBEIL, . . . University of Chicago.

DEPARTMENT 7—History of Art—Continued.

Section b. Modern Architecture.

- Chairman:* Mr. CHARLES F. MCKIM, New York City.
Speakers: Professor C. ENLART, University of Paris.
Professor ALFRED D. F. HAMLIN, Columbia University.

Section c. Modern Painting.

- Chairman:* Mr. JOHN LAFARGE, New York City.
Speakers: Professor RICHARD MUTHIER, University of Breslau.
Monsieur ANDRÉ MICHEL, Keeper at the Louvre, Paris.

DEPARTMENT 8—History of Religion.

- Chairman:* Rev. Dr. WM. ELIOT GRIFFIS, Ithaca, N. Y.
Speakers: Professor GEORGE F. MOORE, Harvard University.
Professor NATHANIEL SCHMIDT, Cornell University.

Section a. Brahmanism and Buddhism.

- Chairman:* Professor EDWARD W. HOPKINS, Yale University.
Speakers: Professor HERRMANN OLDENBERG, University of Kiel.
Professor MAURICE BLOOMFIELD, Johns Hopkins University.

Section b. Mohammedism.

- Chairman:* Dr. TALCOTT WILLIAMS, Philadelphia.
Speakers: Professor IGNAZ GOLDZIEHER, University of Budapest.
Professor DUNCAN B. MACDONALD, Hartford Theological Seminary.

Section c. Old Testament.

- Chairman:* Professor GEORGE L. ROBINSON, McCormick Theological Seminary.
Speakers: Professor GEORGE ADAM SMITH, University of Glasgow.
Professor KARL BUDDE, University of Marburg.

Section d. New Testament.

- Chairman:* Professor ANDREW C. ZENOS, McCormick Theological Seminary.
Speakers: Professor BENJAMIN W. BACON, Yale University.
Professor ERNEST D. BURTON, University of Chicago.

Section e. History of the Christian Church.

- Chairman:* President CHARLES J. LITTLE, Garrett Biblical Institute.
Speakers: Professor ADOLF HARNACK, University of Berlin.
Professor JEAN RÉVILLE, Faculty of Protestant Theology,
Paris.

DIVISION C—PHYSICAL SCIENCE.

Speaker: Professor ROBERT S. WOODWARD, . . . Columbia University.

DEPARTMENT 9—Physics.

Chairman:

Speakers: Professor EDWARD L. NICHOLS, . . . Cornell University.

Professor CARL BARUS, Brown University.

Section a. Physics of Matter.

Chairman: Professor SAMUEL W. STRATTON, . . . Director of the National Bureau
of Standards, Washington.

Speakers: Professor ROBERT W. WOOD, Johns Hopkins University.

Professor FRANCIS E. NIPHER, Washington University.

Section b. Physics of Ether.

Chairman: Professor HENRY S. CARHART, University of Michigan.

Speakers: Professor JAMES DEWAR, Royal Institution, London.

Professor DEWITT B. BRACE, University of Nebraska.

Section c. Physics of the Electron.

Chairman: Professor CHARLES R. CROSS, Institute of Technology, Boston.

Speakers:

Professor ERNEST RUTHERFORD, McGill University, Montreal.

DEPARTMENT 10—Chemistry.

Chairman: Professor JAMES M. CRAFTS, Massachusetts Institute
of Technology.

Speakers: Professor JOHN U. NEF, University of Chicago.

Professor FRANK W. CLARKE, Chief Chemist,
U. S. Geological Survey.

Section a. Inorganic Chemistry.

Chairman: Professor JOHN W. MALLET, University of Virginia.

Speakers:

Professor HENRI MOISSAN, The Sorbonne; Member of the
Institute of France.

Section b. Organic Chemistry.

Chairman: Professor ALBERT B. PRESCOTT, University of Michigan.

Speakers: Professor RUDOLF FITTIG, University of Strassburg.

Professor WILLIAM A. NOYES, National Bureau of Standards.

DEPARTMENT 10—Chemistry—Continued.

Section c. Physical Chemistry.

- Chairman:* Professor WILDER D. BANCROFT, . . . Cornell University.
Speakers: Professor J. H. VAN T'HOFF, . . . University of Berlin.
Professor ARTHUR A. NOYES, . . . Massachusetts Institute
of Technology.

Section d. Physiological Chemistry.

- Chairman:* Professor WILBUR O. ATWATER, . . . Wesleyan University.
Speakers: Professor ALBRECHT KOSSEL, . . . University of Heidelberg.
Professor RUSSELL H. CHITTENDEN, . . . Yale University.

DEPARTMENT 11—Astronomy.

- Chairman:* Professor GEORGE C. COMSTOCK, . . . Director of the Observatory,
Madison, Wisconsin.
Speakers: Professor EDWARD C. PICKERING, . . . Director of Harvard Observatory.
Professor LEWIS BOSS, . . . Director of Dudley Observatory.

Section a. Astrometry.

- Chairman:* Professor ORMOND STONE, . . . University of Virginia.
Speakers: Dr. OSKAR BACKLUND, . . . Director of the Observatory,
Pulkowa, Russia.
Professor J. C. KAPTEYN, . . . University of Groningen,
Holland.

Section b. Astrophysics.

- Chairman:* Professor GEORGE E. HALE, . . . Director of the Yerkes Observatory.
Speakers: Professor WILLIAM W. CAMPBELL, . . . Director of the Lick Observatory.
Professor HERBERT H. TURNER, F. R. S., University of Oxford.

DEPARTMENT 12—Sciences of the Earth.

- Chairman:* Professor NATHANIEL S. SHALER, . . . Harvard University.
Speakers: Professor WILLIAM M. DAVIS, . . . Harvard University.
Professor THOMAS C. CHAMBERLIN, . . . University of Chicago.

Section a. Geo-physics.

- Chairman:* Professor CHRISTOPHER W. HALL, . . . University of Minnesota.
Speakers: Professor E. WIECHERT, . . . Director Geophysical Institute,
Göttingen.
Dr. GEORGE F. BECKER, . . . Geologist, U. S. Geological Survey.

DEPARTMENT 12—Sciences of the Earth—Continued.

Section b. Geology.

- Chairman:* Professor JOHN C. BRANNER, . . . Leland Stanford, Jr., University.
Speakers: Sir ARCHIBALD GEIKIE, K. C. B., . . . Secretary of the Royal Society.
President CHARLES R. VAN HISE, . . . University of Wisconsin.

Section c. Paleontology.

- Chairman:* Professor WILLIAM B. SCOTT, . . . Princeton University.
Speakers: Dr. A. S. WOODWARD, F. R. S., . . . British Museum of Natural
History, London.
Professor HENRY F. OSBORN, . . . Columbia University.

Section d. Petrology and Mineralogy.

- Chairman:* Mr. OLIVER C. FARRINGTON, . . . Field Columbian Museum, Chicago.
Speakers: Professor F. ZIRKEL, . . . University of Leipzig.
Professor W. C. BROGGER, . . . University of Christiana.

Section e. Physiography.

- Chairman:* Mr. HENRY GANNETT, . . . United States Geological Survey.
Speakers: Professor ALBRECHT PENCK, . . . University of Vienna.
Professor ISRAEL C. RUSSELL, . . . University of Michigan.

Section f. Geography.

- Chairman:* Professor GEORGE DAVIDSON, . . . University of California.
Speakers: Dr. HUGH R. MILL, . . . Director British Rainfall
Organization, London.
Professor GEORG GERLAND, . . . University of Strassburg.

Section g. Oceanography.

- Chairman:* Rear-Admiral CHARLES D. SIGSBEE, . . . United States Navy.
Speakers: Sir JOHN MURRAY, K. C. B., F. R. S. . . . Edinburgh.
His Highness, ALBERT, Prince of Monaco, Monaco.

Section h. Meteorology.

- Chairman:* Dr. ABBOTT L. ROTCH, . . . Blue Hill Observatory.
Speakers: Professor SVANTE ARRHENIUS, . . . University of Stockholm,
Stockholm.

DEPARTMENT 13—Biology.

Chairman: Professor WILLIAM G. FARLOW, . . . Harvard University.
Speakers: Professor JACQUES LOEB, . . . University of California.
Professor JOHN M. COULTER, . . . University of Chicago.

Section a. Phylogeny.

Chairman: Professor T. H. MORGAN, . . . Bryn Mawr.
Speakers: Professor HUGO DE VRIES, . . . University of Amsterdam.
Professor CHARLES O. WHITMAN, . . . University of Chicago.

Section b. Plant Morphology.

Chairman: Professor WILLIAM TRELEASE, . . . Washington University, St. Louis.
Speakers: Professor FREDERICK O. BOWER, . . . University of Glasgow.
Professor KARL F. GOEBEL, . . . University of Munich.

Section c. Plant Physiology.

Chairman: Professor CHARLES R. BARNES, . . . University of Chicago.
Speakers: Professor JULIUS WIESSNER, . . . University of Vienna.
Professor BENJAMIN M. DUGGAR, . . . University of Missouri.

Section d. Plant Pathology.

Chairman: Professor CHARLES E. BESSEY, . . . University of Nebraska.
Speakers: Professor JOSEPH C. ARTHUR, . . . Purdue University.
.

Section e. Ecology.

Chairman: Professor CONWAY MACMILLAN, . . . University of Minnesota.
Speakers: Professor OSKAR DRUDE, . . . Kön. Technische Hochschule.
Dresden.
Professor CHARLES FLAHAULT, . . . Director of the Botanic Institute,
Montpellier, France.

Section f. Bacteriology.

Chairman: Professor HAROLD C. ERNST, . . . Harvard University.
Speakers: Professor EDWIN O. JORDAN, . . . University of Chicago.
Professor THEOBALD SMITH, . . . Harvard University.

Section g. Animal Morphology.

Chairman: Dr. LELAND O. HOWARD, . . . Department of Agriculture,
Washington, D. C.
Speakers: Professor CHARLES B. DAVENPORT, . . . University of Chicago.
Professor ALFRED GIARD, . . . The Sorbonne; Member of the
Institute of France.

Section h. Embryology.

Chairman: Professor SIMON H. GAGE, . . . Cornell University.
Speakers: Professor OSKAR HERTWIG, . . . University of Berlin.
Professor WILLIAM K. BROOKS, . . . Johns Hopkins University.

DEPARTMENT 13—Biology—Continued.

Section i. Comparative Anatomy.

- Chairman:* Professor JAMES P. McMURRICH, . . . University of Michigan.
Speakers: Professor MAX FÜRBRINGER, . . . University of Heidelberg.
Professor YVES DELAGE, . . . The Sorbonne; Member of the
Institute of France.

Section j. Human Anatomy.

- Chairman:* Professor GEORGE A. PIERSOL, . . . University of Pennsylvania.
Speakers: Professor WILHELM WALDEYER, . . . University of Berlin.
Professor H. H. DONALDSON, . . . University of Chicago.

Section k. Physiology.

- Chairman:* Dr. S. J. MELTZER, . . . New York.
Speakers: Professor MAX VERWORN, . . . University of Göttingen.
Professor WILLIAM H. HOWELL, . . . Johns Hopkins University.

DEPARTMENT 14—Anthropology.

- Chairman:* Professor FREDERIC W. PUTNAM, . . . Harvard University.
Speakers: Dr. W J MCGEE, . . . President American Anthropo-
logical Ass'n, Washington, D. C.
Professor FRANZ BOAS, . . . Columbia University.

Section a. Somatology.

- Chairman:* Dr. EDWARD C. SPITZKA, . . . New York City.
Speakers: Professor L. MANOUVRIER, . . . School of Anthropology, Paris.
Dr. GEORGE A. DORSEY, . . . Field Columbian Museum, Chicago.

Section b. Archaeology.

- Chairman:* Mr. WILLIAM H. HOLMES, . . . Chief of the Bureau of Ethnology,
Washington, D. C.
Speakers: Señor ALFREDO CHAVERO, . . . Director of the National Museum,
Mexico.
Professor EDOUARD SELER, . . . University of Berlin.

Section c. Ethnology.

- Chairman:* Miss ALICE C. FLETCHER, . . . President of the Washington
Anthropological Society.
Speakers: Professor KARL VON DEN STEINEN, . . . University of Berlin.
Professor A. C. HADDON, . . . University of Cambridge.

DIVISION D—MENTAL SCIENCE.

Speaker: President G. STANLEY HALL, . . . Clark University, Worcester, Mass.

DEPARTMENT 15—Psychology.

Chairman: Professor NOAH K. DAVIS, . . . University of Virginia.

Speakers: Professor J. MARK BALDWIN, . . . Johns Hopkins University.
Professor JAMES MCK. CATTELL, . . . Columbia University.

Section a. General Psychology.

Chairman: Professor CHARLES A. STRONG, . . . Columbia University.

Speakers: Professor HARALD HOFFDING, . . . University of Copenhagen.
Professor JAMES WARD, . . . University of Cambridge, England.

Section b. Experimental Psychology.

Chairman: Professor EDWARD A. PACE, . . . Catholic University of America.

Speakers: Professor HERMANN EBBINGHAUS, . . . University of Breslau.
Professor EDWARD B. TITCHENER, . . . Cornell University.

Section c. Comparative and Genetic Psychology.

Chairman: Professor EDMUND C. SANFORD, . . . Clark University, Worcester, Mass.

Speakers: Principal C. LLOYD MORGAN, . . . University College, Bristol.
Professor MARY W. CALKINS, . . . Wellesley College.

Section d. Abnormal Psychology.

Chairman: Professor MOSES ALLEN STARR, . . . Columbia University.

Speakers: Dr. PIERRE JANET, . . . Professor at the Sorbonne, Paris.
Dr. MORTON PRINCE, . . . Boston.

DEPARTMENT 16—Sociology.

Chairman: Professor FRANK W. BLACKMAR, . . . University of Kansas.

Speakers: Professor GEORGE E. VINCENT, . . . University of Chicago.
Professor FRANKLIN H. GIDDINGS, . . . Columbia University.

Section a. Demography.

Chairman: Professor D. COLLIN WELLS, . . . Dartmouth College.

Speakers: Professor WALTER F. WILLCOX, . . . Cornell University.
Professor HARALD WESTERGAARD, . . . University of Copenhagen.

DEPARTMENT 16—Sociology—Continued.

Section b. Social Structure.

- Chairman:* Professor FREDERICK W. MOORE, . . . Vanderbilt University.
Speakers: Professor FERDINAND TOENNIES, . . . University of Kiel.
Field Marshall GUSTAV RATZENHOFER, . . . Vienna.

Section c. Social Psychology.

- Chairman:* Professor CHARLES A. ELLWOOD, . . . University of Missouri.
Speakers: Professor JEAN G. DE TARDE, . . . Collège de France; Membre
de l'Institut, Paris.
Professor EDWARD A. ROSS, . . . University of Nebraska.

DIVISION E—UTILITARIAN SCIENCES

- Speaker:* President DAVID STARR JORDAN, . . . Leland Stanford, Jr., University.

DEPARTMENT 17—Medicine.

- Chairman:* Dr. WILLIAM OSLER, . . . Johns Hopkins University.
Speakers: Dr. WILLIAM T. COUNCILMAN, . . . Harvard University.
Dr. FRANK BILLINGS, . . . Rush Medical College.

Section a. Public Health.

- Chairman:* Dr. WALTER WYMAN, . . . Surgeon-General of the
U. S. Marine Hospital Service.
Speakers: Professor WILLIAM T. SEDGWICK, . . . Massachusetts Institute of
Technology.
Dr. ERNST J. LEDERLE, . . . Commissioner of Health,
New York City.

Section b. Preventive Medicine.

- Chairman:* Dr. JOSEPH M. MATHIEWS, . . . President of the State Board
of Health, Louisville, Kentucky.
Speakers: Professor RONALD ROSS, F. R. S., . . . School of Tropical Medicine,
University College, Liverpool.
Professor ANGELO CELLI, . . . University of Rome.

Section c. Pathology.

- Chairman:* Professor SIMON FLEXNER, . . . Director of the Rockefeller Institute
Speakers: Professor FELIX MARCIAUD, . . . University of Leipzig.
Professor JOHANNES ORTH, . . . University of Berlin.

DEPARTMENT 17—Medicine—Continued.

Section d. Therapeutics and Pharmacology.

- Chairman:* Dr. HOBART A. HARE, Jefferson Medical College.
Speakers: Sir LAUDER BRUNTON, F. R. S., London.
Professor MATHIAS E. O. LIEBREICH, University of Berlin.

Section e. Internal Medicine.

- Chairman:* Professor FREDERICK C. SHATTUCK, Harvard University.
Speakers: Professor CLIFFORD ALBUTT, F. R. S., University of Cambridge.
Professor WILLIAM S. THAYER, Johns Hopkins University.

Section f. Neurology.

- Chairman:* Professor LEWELLYS F. BARKER, University of Chicago.
Speakers: Professor SHIBASABURO KITASATO, University of Tokio.
Professor JAMES J. PUTNAM, Harvard University.

Section g. Psychiatry.

- Chairman:* Dr. EDWARD COWLES, Boston.
Speakers: Professor TH. ZIEHEN, University of Berlin.
Dr. CHARLES L. DANA, New York City.

Section h. Surgery.

- Chairman:* Professor CARL BECK, Post Graduate Medical School,
New York.
Speakers: Professor NICHOLAS SENN, Rush Medical College, Chicago.
.

Section i. Gynecology.

- Chairman:* Professor HOWARD A. KELLY, Johns Hopkins University.
Speakers: Dr. L. GUSTAVE RICHELOT, Member of the Academy
of Medicine, Paris.
Professor JOHN C. WEBSTER, Rush Medical College, Chicago.

Section j. Ophthalmology.

- Chairman:* Dr. GEORGE C. HARLAN, Philadelphia, Pa.
Speakers: Dr. EDWARD JACKSON, Denver, Col.
.

Section k. Otology and Laryngology.

- Chairman:* Professor WILLIAM C. GLASGOW, Washington University, St. Louis.
Speakers: Sir FELIX SEMON, C. V. O., Physician Extraordinary to
The King, London.
Dr. J. SOLIS-COHEN, Jefferson Medical College.

DEPARTMENT 17—Medicine—Continued.

Section 1. Pediatrics.

- Chairman:* Professor THOMAS M. ROTCH, . . . Harvard University.
Speakers: Professor THEODORE ESCHERICH, . . . University of Vienna.
Professor ABRAHAM JACOB, . . . Columbia University.

DEPARTMENT 18—Technology.

- Chairman:* Chancellor WINFIELD S. CHAPLIN, . . . Washington University, St. Louis.
Speakers: Professor HENRY T. BOVEY, F. R. S., . . . McGill University, Montreal.
Mr. JOHN R. FREEMAN, . . . Providence, R. I.

Section a. Civil Engineering.

- Chairman:* Professor WILLIAM H. BURR, . . . Columbia University.
Speakers: Dr. J. A. L. WADDELL, . . . Consulting Engineer, Kansas City.
Mr. LEWIS M. HAUPT, . . . Consulting Engineer, Philadelphia.

Section b. Mechanical Engineering.

- Chairman:* President ALEXANDER C. HUMPHREYS, . . . Stevens Institute of Technology.
Speakers: Professor A. RIEDLER, . . . Königliche Technische Hochschule,
Berlin.
Professor ALBERT W. SMITH, . . . Leland Stanford, Jr., University.

Section c. Electrical Engineering.

- Chairman:* Professor ARTHUR E. KENNELLY, . . . Harvard University.
Speakers: Signor G. MARCONI, . . . Italy.
Professor MICHAEL I. PUPIN, . . . Columbia University.

Section d. Mining Engineering.

- Chairman:* Mr. JOHN HAYS HAMMOND, . . . New York City.
Speakers: Professor ROBERT H. RICHARDS, . . . Massachusetts Institute
of Technology.
Professor SAMUEL B. CHRISTY, . . . University of California.

Section e. Technical Chemistry.

- Chairman:* Professor CHARLES F. CHANDLER, . . . Columbia University.
Speakers: Professor OTTO N. WITT, . . . Königliche Technische Hochschule,
Berlin.
Professor WILLIAM H. WALKER, . . . Massachusetts Institute
of Technology.

Section f. Agriculture.

- Chairman:* Honorable JAMES WILSON, . . . Secretary of Agriculture,
Washington.
Speakers: Professor LÉON LINDET, . . . National Agronomic Institute,
Paris.
Professor LIBERTY H. BAILEY, . . . Cornell University.

DEPARTMENT 19—Economics.

Chairman:

Speakers: Professor ADOLPH C. MILLER, University of California.
Professor JEREMIAH W. JENKS, Cornell University.

Section a. Economic Theory.

Chairman: Professor WILLIAM W. FOLWELL, University of Minnesota.

Speakers: Professor S. R. NICHOLSON, University of Edinburgh.
Professor JOHN B. CLARK, Columbia University.

Section b. Industrial Organization and Manufactures.

Chairman:

Speakers:
Honorable SIMON N. D. NORTH, Director U. S. Census.

Section c. Transportation.

Chairman: Mr. JAMES J. HILL, President of the Great Northern
Railway, St. Paul.

Speakers: Professor EUGENE VON PHILIPPOVICH, . . University of Vienna.
Professor WILLIAM Z. RIPLEY, Harvard University.

Section d. Commerce and Exchange.

Chairman: Honorable LYMAN J. GAGE, New York City.

Speakers: Professor E. D. JONES, University of Michigan.
Professor CARL PLEHN, University of California.

Section e. Money and Credit.

Chairman: Mr. B. E. WALKER, Canadian Bank of Commerce,
Toronto.

Speakers: Professor RAPHAEL GEORGES LÉVY, . . . Ecole Libre des Sciences
Politiques, Paris.
Professor J. LAWRENCE LAUGHLIN, University of Chicago.

Section f. Public Finance.

Chairman: Honorable JAMES H. ECKLES, Commercial National Bank,
Chicago.

Speakers: Professor EDWIN R. A. SELIGMAN, Columbia University.
Professor HENRY C. ADAMS, University of Michigan.

Section g. Insurance.

Chairman: Dr. EMORY MCCLINTOCK, Actuary, Mutual Life
Insurance Company, New York.

Speakers: FREDERICK L. HOFFMAN, Statistician, Prudential
Insurance Company, Newark.
Professor BALTHASAR H. MEYER, University of Wisconsin.

DIVISION F—SOCIAL REGULATION.

Speaker: Professor ABBOTT L. LOWELL, . . . Harvard University.

DEPARTMENT 20.—Politics.

Chairman:

Speakers: Honorable WAYNE MACVEAGH, . . . Washington, D. C.

Professor WILLIAM A. DUNNING, . . . Columbia University.

Section a. Political Theory.

Chairman: Professor HARRY P. JUDSON, . . . University of Chicago.

Speakers: Professor JOHN W. BURGESS, . . . Columbia University.

.

Section b. Diplomacy.

Chairman: Honorable ROBERT R. HITT, . . . Chairman Committee on Foreign
Affairs, House of Representatives

Speakers: Honorable JOHN W. FOSTER, . . . Former Minister to Spain.

Honorable DAVID JAYNE HILL, . . . Minister of the United States
to Switzerland.

Section c. National Administration.

Chairman: Honorable WILLIAM B. ALLISON, . . . United States Senate.

Speakers: Right Honorable JAMES BRYCE, M. P. London.

.

Section d. Colonial Administration.

Chairman:

Speakers: Professor PAUL S. REINSCH, . . . University of Wisconsin.

Professor BERNARD MOSES, . . . University of California.

Section e. Municipal Administration.

Chairman: President EDMUND J. JAMES, . . . Northwestern University.

Speakers: Dr. ALBERT SHAW, . . . Editor American Monthly
Review of Reviews.

Miss JANE ADDAMS, . . . Hull House, Chicago.

DEPARTMENT 21—Jurisprudence.

Chairman:

Speakers: President CHARLES W. NEEDHAM, . . . Columbian University, Washington.

Professor JOSEPH H. BEALE, . . . Harvard University.

DEPARTMENT 21—Jurisprudence—Continued.

Section a. International Law.

- Chairman:*
- Speakers:* Baron d'ESTOURNELLES DE CONSTANT, Member of the Chamber of
Deputies, Paris.
Professor PHILIPP ZORN, University of Bonn.

Section b. Constitutional Law.

- Chairman:* Professor HENRY ST. GEORGE TUCKER, Columbian University, Washington.
- Speakers:* Professor GEORG JELLINECK, University of Heidelberg.
Signor ATTILIO BRUNIALTI, Councilor of State, Rome.

Section c. Criminal Law.

- Chairman:*
- Speakers:* Professor ADOLF WACH, University of Leipzig.
Professor KARL BINDING, University of Leipzig.

Section d. Private Law.

- Chairman:* Professor JAMES B. AMES, Dean, Harvard Law School.
- Speakers:* Professor ERNST FREUND, University of Chicago.
Honorable EDWARD B. WHITNEY, New York.

DEPARTMENT 22—Social Science.

- Chairman:* Mr. WALTER L. SHELDON, Ethical Society, St. Louis.
- Speakers:* Professor GRAHAM TAYLOR, Chicago Theological Seminary.
Professor FELIX ADLER, Columbia University.

Section a. The Family.

- Chairman:*
- Speakers:* Dr. SAMUEL W. DIKE, Auburndale, Mass.
.

Section b. The Rural Community.

- Chairman:*
- Speakers:* Professor MAX WEBER, University of Heidelberg.
President KENYON BUTTERFIELD, Rhode Island State Ag. College.

DEPARTMENT 22—Social Science—Continued.

Section c. The Urban Community.

- Chairman:* Honorable EDWIN BURRETT SMITH, . . . Chicago.
Speakers: Professor A. NERINCX, . . . University of Louvain.
Professor LOUIS WUARIN, . . . University of Geneva.

Section d. The Industrial Group.

- Chairman:* JOHN G. BROOKS, . . . Cambridge, Mass.
Speakers: Professor WERNER SOMBART, . . . University of Breslau.
Professor RICHARD T. ELY, . . . University of Wisconsin.

Section e. The Dependent Group.

- Chairman:* Mr. ROBERT W. DEFOREST, . . . New York City.
Speakers: Dr. EMIL MUENSTERBERG, . . . President City Charities, Berlin.
Professor CHARLES R. HENDERSON, . . . University of Chicago.

Section f. The Criminal Group.

- Chairman:* Major R. M. McCLAUGHRY, . . . Fort Leavenworth, Kansas.
Speakers: Professor C. LOMBROSO, . . . University of Turin.
Dr. FREDERICK H. WINES, . . . Secretary State Charities Aid
Association,
Upper Montclair, N. J.

DIVISION G—SOCIAL CULTURE.

- Speaker:* Honorable WILLIAM T. HARRIS, . . . United States Commissioner
of Education.

DEPARTMENT 23—Education.

- Chairman:* Commissioner ANDREW S. DRAPER, . . . Department of Education,
New York.
Speakers: The Right Rev. JOHN L. SPALDING, . . . Bishop of Peoria.
President H. R. ANGELL, . . . University of Michigan.

DEPARTMENT 23—Education—Continued.

Section a. Educational Theory.

- Chairman:* Professor CHARLES DEGARMO, . . . Cornell University.
Speakers: Professor WILHELM REIN, . . . University of Jena.
Professor ELMER E. BROWN, . . . University of California.

Section b. The School.

- Chairman:* Dr. F. LOUIS SOLDAN, . . . Superintendent Public Schools,
St. Louis
Speakers: Dr. MICHAEL E. SADLER, . . . University of Manchester.
Dr. WILLIAM H. MAXWELL, . . . Superintendent Public Schools,
New York City.

Section c. The College.

- Chairman:* President WILLIAM F. SLOCUM, . . . Colorado College.
Speakers: President WILLIAM DEWITT HYDE, . . . Bowdoin College.
President M. CAREY THOMAS, . . . Bryn Mawr College.

Section d. The University.

- Chairman:* President DANIEL C. GILMAN, . . . Carnegie Institution of Washington
Speakers: Dr. RAYMOND THAMIN, . . . Rector of the University of Rennes.
President ARTHUR T. HADLEY, . . . Yale University.

Section e. The Library.

- Chairman:* FREDERICK W. CRUNDEN, . . . Librarian St. Louis Public Library.
Speakers: Professor GUIDO BIAGI, . . . Royal Librarian, Florence.
Mr. WILLIAM A. E. AXON, . . . Assistant Librarian, Manchester,
England.

DEPARTMENT 24—Religion.

- Chairman:* Bishop JOHN H. VINCENT, . . . Chautauqua, N. Y.
Speakers: President HENRY C. KING, . . . Oberlin College.
Professor FRANCIS G. PEABODY, . . . Harvard University.

Section a. General Religious Education.

- Chairman:* . . .
Speakers: Professor GEORGE A. COE, . . . Northwestern University.
Dr. WALTER L. HERVEY, . . . Examiner Board of Education,
New York City.

DEPARTMENT 24—Religion—Continued.

Section b. Professional Religious Education.

- Chairman:* Dean GEORGE HODGES, Episcopal Theological School,
Cambridge, Mass.
- Speakers:* President CHARLES CUTHBERT HALL, Union Theological Seminary.
Professor FRANK K. SANDERS, Yale University.

Section c. Religious Agencies.

- Chairman:*
- Speakers:* Dr. WASHINGTON GLADDEN, Columbus, Ohio.
Dr. JAMES M. BUCKLEY, Editor *The Christian Advocate*,
New York.

Section d. Religious Work.

- Chairman:* Rt. Rev. THOMAS F. GAILOR, Memphis.
- Speakers:* Dr. FLOYD W. TOMKINS, Church of the Holy Trinity,
Philadelphia.
Dr. HENRY C. MABIE, Corresponding Secretary
American Baptist Miss. Union.

Section e. Religious Influence: Personal.

- Chairman:* President WILLIAM G. TUCKER, Dartmouth College.
- Speakers:* Dr. HUGH BLACK, Edinburgh, Scotland.
Rev. SAMUEL ELIOT, Boston, Mass.
President W. H. P. FAUNCE, Brown University.

Section f. Religious Influence, Social.

- Chairman:* President JOSEPH SWAIN, Swarthmore College.
- Speakers:* Dr. EMIL G. HIRSCH, Chicago, Ill.
Professor EDWARD C. MOORE, Harvard University.
Dr. JOSIAH STRONG, League for Social Service,
New York.

Chronological Order of Proceedings

Monday, September 19.

3 P. M. Opening exercises of the Congress.

The programme of these exercises will be arranged at a later date by the authorities of the Exposition and the Administrative Board.

Tuesday, September 20.

10:00 A. M. Meetings of the seven divisions: one address in each division.

11:15 to 6:00 P. M. Meetings of the Departments, as follows:

Meeting: 11:15 A. M.

DEPARTMENTS.

1. Philosophy.
2. Mathematics.
3. Political History.
4. History of Law.
7. History of Art.
12. Sciences of the Earth.
13. Biology.
19. Economics.

2 P. M.

DEPARTMENTS.

5. History of Language.
8. History of Religion.
9. Physics.
14. Anthropology.
15. Psychology.
18. Technology.
20. Politics.
22. Social Science.

4:15 P. M.

DEPARTMENTS.

6. History of Literature.
10. Chemistry.
11. Astronomy.
16. Sociology.
17. Medical Science.
21. Jurisprudence.
23. Education.
24. Religion.

Adjournment: 1 P. M.

3:45 P. M.

6 P. M.

On the four days following, the Sectional meetings will be held. The duration of each session will be three hours. The arrangement of the meetings, as found on the next two pages, are to be regarded as provisional, and as being subject to change should the convenience of those interested demand it. The morning sessions will extend from 10 A. M. until 1 P. M.; the afternoon sessions from 3 P. M. to 6 P. M.

The meetings of some of the religious sections will be held on Sunday, September 25.

Wednesday, September 21.

Meeting at

10 A. M.

- 1a. Metaphysics.
- 3b. History of Greece.
- 4b. History of Common Law.
- 5a. Comparative Language.
- 6f. Slavic Literature.
- 10a. Inorganic Chemistry.
- 11a. Astrometry.
- 12a. Geophysics.
- 12h. Meteorology.
- 13g. Animal Morphology.
- 16b. Social Structure.
- 17a. Public Health.
- 17k. Otology .
- 18a. Civil Engineering.
- 19f. Public Finance.
- 22a. The Family.

3 P. M.

- 1b. Philosophy of Religion.
- 3c. Medieval History of Europe.
- 4a. History of Roman Law.
- 5b. Semitic Languages.
- 6b. Classical Literature.
- 10b. Organic Chemistry.
- 11b. Astrophysics.
- 12b. Geology.
- 12g. Oceanography.
- 13a. Phylogeny.
- 16c. Social Psychology.
- 17b. Preventive Medicine.
- 17l. Pediatrics.
- 19g. Insurance.
- 22b. Rural Community.
- 24a. Religious Education.

Adjournment at

1 P. M.*

6 P. M.

Thursday, September 22.

Meeting at

10 A. M.

- 1c. Logic.
- 2a. Algebra.
- 3d. Modern History of Europe.
- 5c. Indo-Iranian Languages.
- 6c. English Literature.
- 7a. Classical Art.
- 8c. Old Testament.
- 10c. Physical Chemistry.
- 12c. Paleontology.
- 12c. Physiography.
- 13b. Plant Morphology.
- 17c. Pathology.
- 17g. Psychiatry.
- 19a. Economic Theory.
- 21a. International Law.
- 22c. Urban Community.

3 P. M.

- 1d. Methodology of Science.
- 5d. Greek Language.
- 6d. Romance Literature.
- 7b. Modern Architecture.
- 9c. Physics of the Electron.
- 10d. Physiological Chemistry.
- 12d. Petrology.
- 12f. Geography.
- 13c. Plant Physiology.
- 13j. Human Anatomy.
- 17f. Neurology.
- 18c. Technical Chemistry.
- 19b. Industrial Organization.
- 20a. Political Theory.
- 22d. Industrial Group.
- 24b. Professional Religious Education.

Adjournment at

1 P. M.

6 P. M.

Friday, September 23.

Meeting at 10 A. M.

3 P. M.

- 1c. Ethics.
- 5c. Latin Language.
- 6c. Germanic Literature.
- 8a. Buddhism.
- 8d. New Testament.
- 9a. Physics of Matter.
- 13d. Plant Pathology.
- 13k. Physiology.
- 15a. General Psychology.
- 17h. Surgery.
- 18c. Electrical Engineering.
- 19c. Transportation.
- 20b. Diplomacy.
- 21d. Criminal Law.
- 22c. Dependent Group.
- 23b. School.

- 1f. Easthetics.
- 3f. History of Economics.
- 5f. English Language.
- 8b. Mohammedism.
- 9b. Physics of Ether.
- 13c. Ecology.
- 13h. Embryology.
- 14a. Somatology.
- 15b. Experimental Psychology.
- 17c. Internal Medicine.
- 18c. Mechanical Engineering.
- 20c. National Administration.
- 21c. Private Law.
- 22f. Criminal Group.
- 23c. College.
- 24c. Religious Agencies.

Adjournment at 1 P. M.

6 P. M.

Saturday, September 24.

Meeting at 10 A. M.

3 P. M.

- 2b. Geometry.
- 3a. History of Asia.
- 3c. History of America.
- 5g. Romance Languages.
- 6g. Belles Lettres.
- 8c. History of the Christian Church.
- 13f. Bacteriology.
- 13i. Comparative Anatomy.
- 14b. Archeology.
- 15c. Comparative Psychology.
- 17i. Gynecology.
- 18d. Mining Engineering.
- 19d. Commerce and Exchange.
- 20d. Colonial Administration.
- 21c. Constitutional Law.
- 23d. The University.

- 2c. Applied Mathematics.
- 4c. Comparative Law.
- 5h. Germanic Languages.
- 6a. Oriental Literature.
- 7c. Modern Painting.
- 14c. Ethnology.
- 15d. Abnormal Psychology.
- 16a. Demography.
- 17d. Therapeutics.
- 17j. Ophthalmology.
- 18f. Agriculture.
- 19c. Money and Credit.
- 23a. Educational Theory.
- 20c. Municipal Administration.
- 4c. Comparative Law.
- 24d. Religious Work.

Adjournment at 1 P. M.

6 P. M.

(Slight changes in detail may become necessary, and will be incorporated in revised editions.)

AS

3

27

1904

UCSB LIBRARY

UC SOUTHERN REGIONAL LIBRARY FACILITY



D 000 356 544 7

University of California
SOUTHERN REGIONAL LIBRARY FACILITY
405 Hilgard Avenue, Los Angeles, CA 90024-1388
Return this material to the library
from which it was borrowed.

Series 9

University
Southern
Librar